



Welcome to Droopnath State College

Live to Learn. Learn to Live
09 December 2024



The Rector

Mrs. Sookharee



DRSC STAFF 2024



Laureates 2024



APPADOO Duhita **PAYEN Vilashinee**
Economics Side Science Side



Laureates 2024

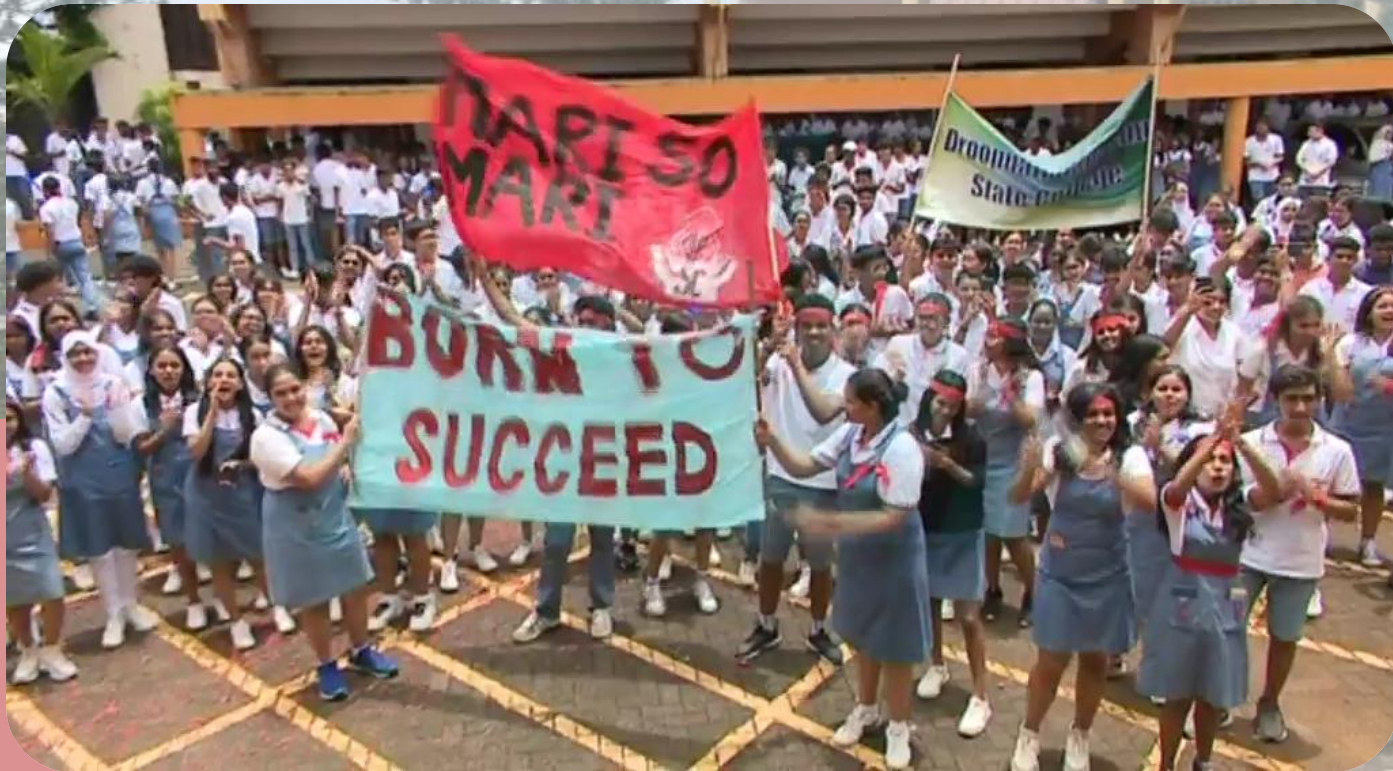


Top in the World 2024

KAULESARSINGH Udhav	Additional Mathematics SC
APPADOO Duhita	Business Studies (Sub) HSC
LAVICTOIRE Marie Chloe Annielle	Travel & Tourism (Sub) HSC



Celebration of Laureates





Celebration of Laureates



Celebration of Laureates



Chemistry Lab



Physics Lab



Biology Lab



Prize Giving



Prize Giving





Health Club of



Droopnath Ramphul State College

INVITES YOU FOR ITS

Blood Donation Drive



Blood Donation Team



Blood Donation



Blood Donation



Blood Donation 2024



Science Exhibition



Science Exhibition



Workshop on AI



Workshop on AI



Workshop on AI



Art Club



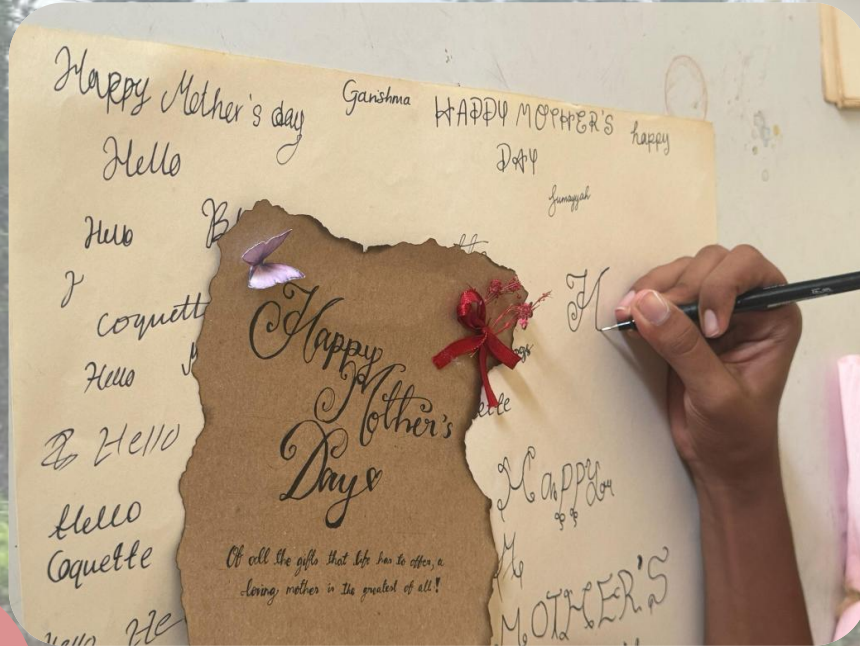
Art Club



Art Club



Upcycling Challenge



Sports Day 2024





Sports Day 2024



Sports Day 2024



Sports Day 2024



National Ramayan Chanting Competition

Secondary School Category 1st Prize



National Ramayan Chanting Competition

Secondary School Category 1st Prize



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National Ramayan Chanting Competition

Secondary School Category 1st Prize



National Ramayan Chanting Competition

Secondary School Category 1st Prize



The Duke of Edinburgh's Award Rodrigues Island



The Duke of Edinburgh's Award Rodrigues Island



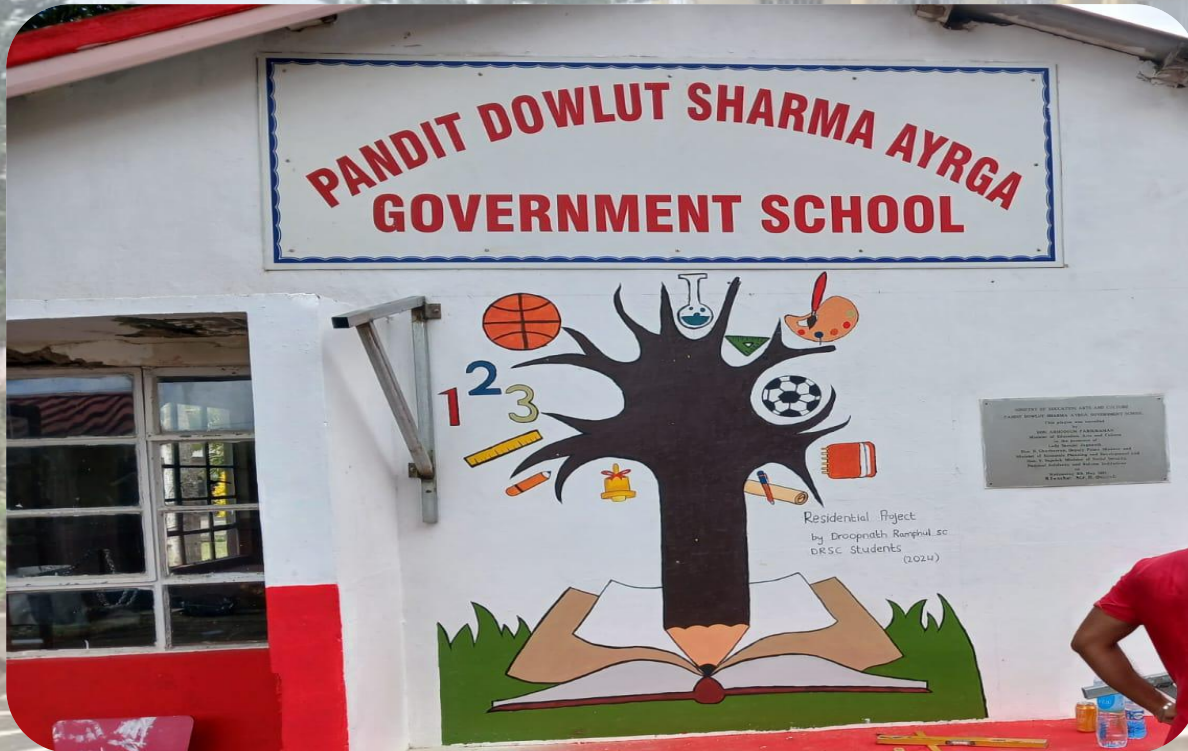
The Duke of Edinburgh's Award Rodrigues Island



The Duke of Edinburgh's Award Residential Project



The Duke of Edinburgh's Award Residential Project



The Duke of Edinburgh's Award Residential Project



Outdoor Activities



Outdoor Activities



TAFISA World Walking Day



Model United Nations



Model United Nations



Model United Nations



Model United Nations



Young Makers Design for Impact Challenge Best Concept Video Award

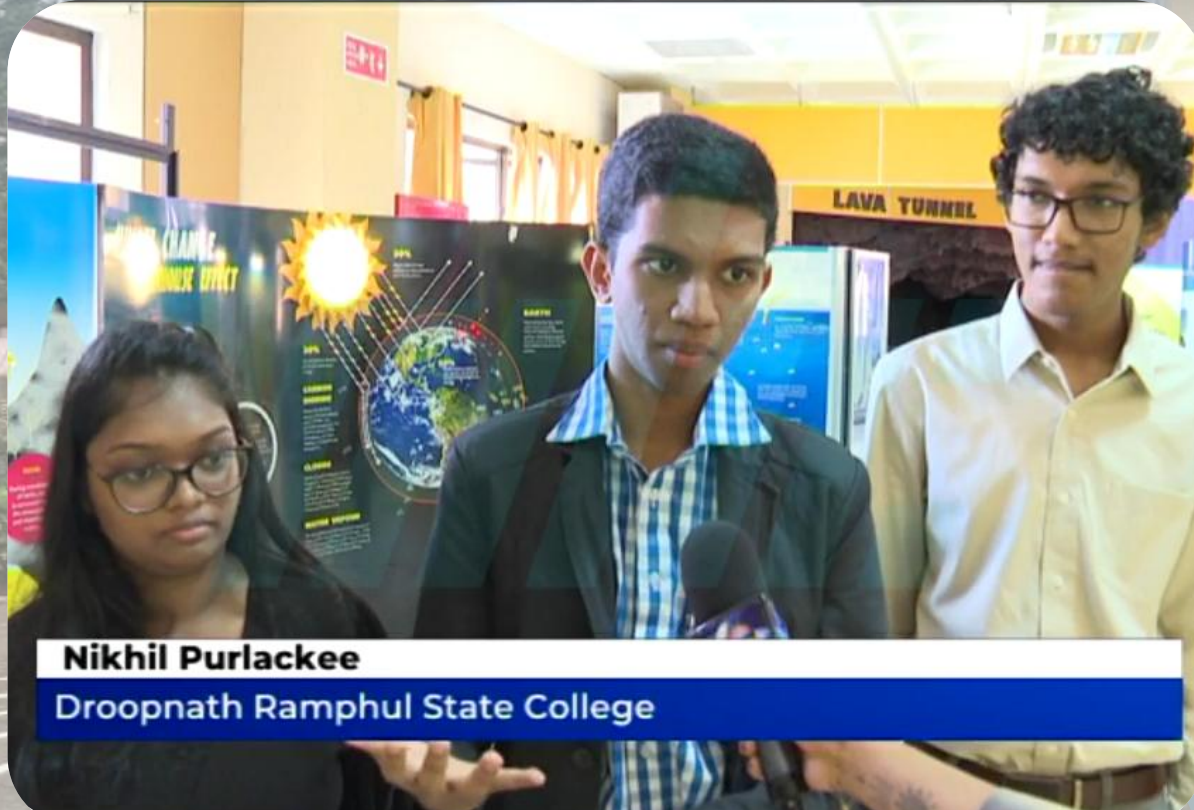


Young Makers Design for Impact Challenge

Best Concept Video Award



Young Makers Design for Impact Challenge Best Concept Video Award



Young Reporters Competition



Benevolent Club



Benevolent Club



Benevolent Club



Benevolent Club



Benevolent Club



International Day of Mathematics Poster Competition



International Day of Mathematics Poster Competition

How Maths Controls Traffic?

Come unravel the mathematical marvels behind the rhythm of traffic!

Modelling Traffic Flow
Maths is used in predicting traffic flow and modelling road networks using:
Differential Equations
Explain how cars change speed over time, aiding in predicting traffic.
Graph Theory
Finds the best routes and design roads to ensure optimum traffic flow.

Traffic Optimisation
Maths helps prevent jams by fine-tuning traffic signals and optimising road designs through:
Linear Programming
Plans traffic lights signal timings and assignment of lanes.
Convex Optimisation
Designs roads and traffic systems to reduce traffic jams and lessen delays.

Traffic Simulation
Maths provides tools to simulate traffic and test different ideas to make traffic better with:
Predictive Analytics
Looks at past traffic to forecast future traffic conditions.
Simulation Modeling
Creates computer models of real-world traffic to test solutions before implementing in real life.

Maths Moves Traffic: Safely, Efficiently, Sustainably

Thus, Mathematics helps in:

- **Enhancing safety** by reducing road accidents, and safeguarding pedestrians, motorists, and site workers.
- **Mitigating congestion** by optimising vehicle flow via road closures and diversions, construction and event sites.
- **Making traffic flow more efficient** by managing lane usage and regulating vehicle speeds.
- **Reducing costly fines** as engaging traffic management ensures that laws are being abided.
- **Contributing to better air quality** by easing congestion and allowing for smoother vehicle flow, thereby decreasing emissions.

School Name: **Droopnath Ramphul State College**
Teacher in charge: **Mr. S.Nundlall**
Participants: **Hurdoyal Sidhi, Puriackee Nikhil, Taukoordoss Divya**



Chess Tournament



Chess Tournament



Christmas Party



Christmas Party



Christmas Party

